System Requirements

SuccessMaker Enterprise v1.7.1

PEARSON

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1 Introduction

SuccessMaker Enterprise is an innovative deployment of SuccessMaker courseware and the ResultsManager management system that focuses on reading and mathematics curriculum for the Pre-K to 8th grade education sector. This technology-driven solution meets the needs of districts and schools, regardless of size and infrastructure. ResultsManager, the management system component of SuccessMaker Enterprise, offers a choice of two user interfaces to accommodate individual working styles. It also integrates industry-standard reporting software to provide reports that are easy to read and well-organized.

The SuccessMaker curriculum, aligned with national, state, and local standards and objectives, has a proven track record for delivering the results that the educators need. According to the National Education Technology Plan from the U.S. Department of Education, the most recent research and evaluation studies demonstrate that school improvement programs that employ technology for teaching and learning yield positive results for both students and teachers. Within the school market today, a wide variety of technology implementations exist, from the single computer in the back of the classroom to a laptop in the hands of every student in the school. SuccessMaker Enterprise is packaged to address all such technology implementations with four scalable delivery configurations.

SuccessMaker Enterprise offers these configurations to suit the needs of students and teachers. The configurations are flexible and scalable, allowing customers to augment initial investments with additional options as their schools evolve and grow.

This document provides detailed information about system requirements and network capacities. It also describes the hardware used to support the following installations: SuccessMaker Enterprise School, SuccessMaker Enterprise District, and SuccessMaker Enterprise Home Access module.

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Performance Considerations

Based on current hardware and software technologies, Pearson has determined that the system requirements listed in this document will deliver acceptable operation and performance. Your site's actual performance may vary due to different configurations including the following:

- Server application loading
- Available network bandwidth
- Client security configuration
- Number of concurrent users
- Courseware usage
- Other variables

System requirements are subject to change because of rapid advances and changes in technology, as well as future product enhancements. If you have questions regarding the suitability of your specific computing environment, contact your Pearson Sales Representative or Technical Specialist.

Windows 2000/XP Workstation

A Windows® 2000/XP workstation is a personal computer running a Windows 2000 or a Windows XP operating system. It can function either as a stand-alone unit or a workstation linked to a local area network (LAN). Both students and teachers can use this workstation to access Pearson educational software. Management system functions can also be performed on this workstation.

To view the system requirements for a Windows 2000/XP workstation, see "Windows 2000/XP Workstations" on page 6. If you use the new Math Concepts and Skills 2 course, your system needs more memory to accommodate the technology. See "Windows 2000/XP Workstations" on page 6.

Windows Vista Workstation

A Windows Vista workstation is a personal computer running a Windows Vista® operating system. It can function either as a stand-alone unit or a workstation linked to a local area network (LAN). Both students and teachers can use this workstation to access Pearson educational software. Management system functions can also be performed on this workstation.

To view the system requirements for a Windows Vista, see "Windows Vista Workstations" on page 8.

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Mac Workstation

A Mac® workstation is personal computer running a Mac operating system. It can function as a workstation linked to a local area network (LAN). Both students and teachers can use this workstation to access Pearson educational software. Most management system functions can also be performed on this workstation.

To view the system requirements for a Mac workstation, see "Mac Workstations" on page 9. If you use the new Math Concepts and Skills 2 course, your system needs more memory to accommodate the technology.

Home Access Workstation

A Home Access workstation is a Windows 2000/XP-based, Windows Vista-based, or a Mac-based personal computer, functioning from home, for use with SuccessMaker Enterprise Home Access module. This workstation must have an Internet connection and must use a standard, non-customized Microsoft Internet Explorer Web browser on Windows workstations or a Safari Web Browser on Mac workstations.

To view the system requirements for a Windows 2000/XP-based Home Access workstation, see "Windows 2000/XP Workstations" on page 6.

To view the system requirements for a Windows Vista-based Home Access workstation, see "Windows Vista Workstations" on page 8.

To view the system requirements for a Mac-based Home Access workstation, see "Mac Workstations" on page 9.

SuccessMaker Enterprise Local Server

The SuccessMaker Enterprise local server is a high-speed computer in a local area network (LAN) dedicated to storing the programs and data files needed at the site level to use the SuccessMaker Enterprise product.

To view the system requirements for the Local Server, see "SuccessMaker Enterprise Local Server" on page 11.

SuccessMaker Enterprise Central Server

The central server is a District-level server for the SuccessMaker Enterprise District product. A LAN client workstation connected to the central server is required to generate the aggregate reports.

To view the system requirements for the Central Server, see "SuccessMaker Enterprise Central Server" on page 12.

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SuccessMaker Enterprise Task Manager Workstation

The Task Manager workstation is a Windows-based personal computer, used to manage the database replication and server backup activities for the SuccessMaker Enterprise product.

To view the system requirements for the Task Manager workstation, see "SuccessMaker Enterprise Task Manager Workstation" on page 13.

SuccessMaker Enterprise Web Server

The Web server is a server used for the SuccessMaker Enterprise Home Access module.

To view the system requirements for the Web Server, see "SuccessMaker Enterprise Web Server" on page 14.

For the latest version of all system requirements, go to www.pearsonschool.com/digital.

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2 System Requirements

This chapter describes the system requirements for:

- "Windows 2000/XP Workstations" on page 6.
- "Windows Vista Workstations" on page 8.
- "Mac Workstations" on page 9.
- "SuccessMaker Enterprise Local Server" on page 11.
- "SuccessMaker Enterprise Central Server" on page 12.
- "SuccessMaker Enterprise Task Manager Workstation" on page 13.
- "SuccessMaker Enterprise Web Server" on page 14.

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Windows 2000/XP Workstations

The system requirements for Windows 2000/XP workstations (stand-alone, local area network, and home access) are described in Table 2-1.

NOTES: To successfully run the Home Access module, the workstation must have a 56K or faster connection to the Internet.

Novell Client 4.9.1 with SP4 is required when running SuccessMaker Enterprise on a Netware Server.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstation uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-1. System Requirements for Windows 2000/XP Workstations

Component and Operating Systems	Minimum Requirements	Recommendations
• Windows 2000 SP4 • Windows XP Home SP2* • Windows XP Professional SP2	• Processor: 800 MHz • Memory: 512 MB	• Processor: 1.6 GHz • Memory: 1 GB
Monitor Resolution	1024 x 768 with thousands of colors	
Hard Disk Drive Space	• 220 MB of free disk space • 600 MB of free disk space if you install the Math Concepts and Skills 2 course on the local hard drive of your workstation.	
CD/DVD Drive	• One 4x CD drive or one 2x DVD drive (or faster) for installing • 2x DVD drive (or faster) for optionally running the courseware from the workstations using the DVD • One 4x CD drive or one 2x DVD drive (or faster) for optionally running the MCS2 courseware from CD or DVD	
Audio	Any Creative Labs or 100% compatible sound card, including Sound Blaster® 16 (or 32), PCI 64, or 16-bit VIBRA® series products	
Network Protocol	TCP/IP	
Additional Required Software	• QuickTime® 7.1.6 or later required on all workstations • Adobe® Reader® 8.0 or later required on all workstations • Adobe® Flash® Player 9.x required on all workstations	
Home Access client only	• Microsoft Internet Explorer 6.0 with SP2 • Microsoft Internet Explorer 7.0 • Java Runtime Environment 1.5.x or 1.6.x	

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Table 2-1. System Requirements for Windows 2000/XP Workstations (continued)

Component and Operating Systems	Minimum Requirements	Recommendations
Printer	Any inkjet or laser printer supported by the operating system	
*Windows XP Home SP2 is not supported in a LAN environment		

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Windows Vista Workstations

The system requirements for Vista workstations (stand-alone, local area network, and home access) are described in Table 2-2.

NOTES: To successfully run the Home Access module, the workstation must have a 56K or faster connection to the Internet.

Novell client 1.0 is required when running SuccessMaker on a Netware server.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstation uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-2. System Requirements for Vista Workstations

Component and Operating Systems	Minimum Requirements	Recommendations
• Windows Vista Home Basic* • Windows Vista Home Premium* • Windows Vista Ultimate • Windows Vista Business	• Processor: 800 MHz • Memory: 512 MB	• Processor: 1.6 GHz • Memory: 1 GB
Monitor Resolution	1024 x 768 with thousands of colors	
Hard Disk Drive Space	• 220 MB of free disk space • 600 MB of free disk space if you install the Math Concepts and Skills 2 course on the local hard drive of your workstation.	
CD/DVD Drive	• One 4x CD drive or one 2x DVD drive (or faster) for installing • 2x DVD drive (or faster) for optionally running the courseware from the workstations using the DVD • One 4x CD drive or one 2x DVD drive (or faster) for optionally running the MCS2 courseware from CD or DVD	
Audio	Vista compliant audio device	
Network Protocol	TCP/IP	
Additional Required Software	• QuickTime® 7.2.x or later is required on all workstations • Adobe® Reader® 8.0 or later is required on all workstations • Adobe® Flash® Player 9.x is required on all workstations	
Home Access client only	• Microsoft Internet Explorer 7.0 or later • Java Runtime Environment 1.5.x or 1.6.x	
Printer	Any inkjet or laser printer supported by the operating system	
*Vista Home Basic and Home Premium is not supported in a LAN environment		

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Mac Workstations

The system requirements for Mac workstations (local area network and home access) are described in Table 2-3.

NOTES: To successfully run the Home Access module, the workstation must have a 56K or faster connection to the Internet.

The stand-alone configuration is not supported for Mac workstations.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your server uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-3. System Requirements for Mac Workstations

Component and Operating Systems	Minimum Requirements	Recommendations
• Mac OS X 10.4.x • Mac OS X 10.5.x	**PPC** • Processor: 800 MHz • Memory: 512 MB **Intel** • Processor: 1.5 GHz • Memory: 512 MB	**PPC** • Processor: 1.6 GHz • Memory: 1GB **Intel** • Processor: 1.6 GHz • Memory: 1GB
Monitor Resolution	1024 x 768 with thousands of colors	
Hard Disk Drive Space	• Minimum 220 MB of free disk space • 600 MB of free disk space if you install the Math Concepts and Skills 2 course to the local hard drive of your workstation.	
CD/DVD Drive	• 2x DVD drive (or faster) for optionally running the courseware from the workstations using the DVD. • One 4x CD drive or one 2x DVD drive (or faster) for optionally running the MCS2 courseware from CD or DVD.	
Additional Required Software	• QuickTime 7.1.6 or later required on all workstations • Adobe® Reader® 8.0 or later is required on all workstations • Adobe® Flash® Player 9.x is required on all workstations	
Audio	Built in	
Network Protocol	TCP/IP	
Home Access client only	• Mac OS X 10.4.x: Apple Safari 2.x • Mac OS X 10.5.x: Apple Safari 3.x • Java Runtime Environment 1.5.x or 1.6.x	

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Courseware Requirements

Before you run the courses on Mac workstations, you must know:

- Intel–based Mac workstations do not support OS 9 Classic.
- Mac OS X 10.5.x does not support OS 9 Classic.
- The following courses require OS 9 classic support and will run only on PowerPC-based workstations: Math Concepts and Skills Spanish, Math Investigations, Math Processor, Reading Adventures Primary, Story Painter, Vamos a leer, and Writer's Studio.

The following courses require Mac OS X operating system and will run on both PowerPC and Intel-based Mac workstations: Algebra Topics, Discover English, First Adventures Bookshelf, Math Corner, Math Concepts and Skills, Math Concepts and Skills 2, Reading Adventures, Readers Workshop, Initial Reading, Reading Readiness, Reading Investigations, Science Discovery, and Spelling Skills.

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SuccessMaker Enterprise Local Server

The local server is used to store the programs and data files needed at the site level for the SuccessMaker Enterprise product. A local server can also be used as a courseware server.

Table 2-4 describes the system requirements for a local server.

NOTES: NetWare 6.5 server with Support Pack 6.0 is required for Mac workstations. In addition, one Windows workstation is required for loading the SuccessMaker Enterprise software.

When running SuccessMaker Enterprise Web on a Windows server, apply KB933360 patch to prevent a timestamp issue with web caching.

If you need further information about the SuccessMaker Enterprise Local Server, contact Pearson at 1-888-977-7100.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your server uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-4. System Requirements for a Local Server

Component and Network Operating Systems	Minimum Requirements	Recommendations
Novell® NetWare® 6.5 with Support Pack v6.0*	◦ Processor: 1 GHz ◦ Memory: 512 MB	◦ Processor: 2 GHz ◦ Memory: 1 GB
◦ Windows 2000 Server SP4** ◦ Windows 2003 Server SP2 ** (Only 32-Bit Windows Operating Systems supported)	◦ Processor: 1 GHz ◦ Memory: 512 MB	◦ Processor: 2 GHz ◦ Memory: 1 GB
Network Protocol	TCP/IP	TCP/IP
Hard Disk Drive Space **Note**: Volume Compression is Not supported	20 GB of free disk space	20 GB of free disk space
Hard Drive Specification/ Configuration	SCSI, SAS or SATA drive **Note:** Servers with SATA drives can support only a maximum of 50 workstations.	SCSI or SAS
CD	A CD drive is required	A CD drive is required
* Novell-certified server required		
** Microsoft-certified server required		

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SuccessMaker Enterprise Central Server

The central server is the District-level server for the SuccessMaker Enterprise District product. The minimum requirements specified in Table 2-5 are for Districts with up to 100 sites. Districts with over 100 sites and less than 250 sites can be supported with enhanced hardware.

NOTE: When running SuccessMaker Enterprise Web on a Windows server, apply the KB933360 patch to prevent a timestamp issue with web caching.

If you need further information about the SuccessMaker Enterprise Central Server, contact Pearson at 1-888-977-7100.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your server uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-5. System Requirements for a District Central Server

Component and Network Operating Systems	Minimum Requirements
◦ Windows 2000 Server SP4* ◦ Windows 2003 Server SP2* (Only 32-Bit Windows Operating Systems supported)	◦ Dual Processors @ 2.0 GHz ◦ Memory: 2 GB
Network Card	100 Mb Ethernet with full duplex capability
Hard Disk Drive Space	40 GB of free disk space
Network Protocol	TCP/IP
Hard Drive Specification/Configuration	SCSI or SAS drive array with two physical disks and controller, or RAID/striped configuration
* Microsoft-Certified server required	

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SuccessMaker Enterprise Task Manager Workstation

The Task Manager workstation is used in conjunction with the SuccessMaker Enterprise District product's central server. The minimum requirements specified in Table 2-6 will support a district server up to 100 sites with a single Task Manager. Additional Task Manager workstations are required to support districts that have more than 100 sites.

NOTE: District sites that use NetWare servers for remote school servers must have the latest Novell Client software loaded on the Task Manager workstation for proper authentication.

If you need further information about the SuccessMaker Enterprise Task Manager Workstation, contact Pearson at 1-888-977-7100.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstation uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-6. System Requirements for a Task Manager Workstation

Component and Network Operating Systems	Minimum Requirements
◉ Windows 2000 Professional SP4 ◉ Windows XP Professional SP2 ◉ Windows Vista Ultimate ◉ Windows Vista Business	◉ Processor: 2.4 GHz ◉ Memory: 512 MB
Network Card	100 Mb Ethernet with full duplex capability
Hard Disk Drive Space	20 GB of free disk space
Network Protocol	TCP/IP

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SuccessMaker Enterprise Web Server

The Web server is used for the SuccessMaker Enterprise Home Access module. Table 2-7 specifies the minimum requirements for the web server.

Ensure that your web server has the following:

- A Fully Qualified Domain Name (FQDN).
- A Transmission Control Protocol/User Datagram Protocol (TCP/UDP) connection from the central server to the web server through port 2638.
- A port 80 connection for web clients to connect to the web server.
- The ability for Port 80 to communicate freely through the firewall.

NOTE: When running SuccessMaker Enterprise Web on a Windows server, apply KB933360 patch to prevent a timestamp issue with web caching.

If you need further information about the SuccessMaker Enterprise Web Server, contact Pearson at 1-888-977-7100.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your server uses a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Table 2-7. System Requirements for a Web Server

Component and Network Operating Systems	Minimum Requirements
• Windows 2000 Server SP4* • Windows 2003 Server SP2* (Only 32-Bit Windows Operating Systems supported)	• Dual Processors @ 2.0 GHz • Memory: 1 GB
Hard Disk Drive Space	20 GB of free disk space
Network Protocol	TCP/IP
Web Server Software	• Windows 2000 Server: IIS 5.0 • Windows 2003 Server: IIS 6.0
* Microsoft-certified server required	

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3 Network Capacities

This chapter describes the District LAN/WAN connection speeds and the local server network capacities for Windows and Netware servers.

District LAN / WAN Connection Speeds

For the SuccessMaker Enterprise District setup, you will need the LAN/WAN connection speeds described in Table 3-1.

Table 3-1. LAN/WAN Connection Speeds

Connection Type	Connection Speed
Between Central Server and Task Manager	Task Manager should be on the same network as central server, with a full duplex connection to the central server. Connection should be 100 Mb Ethernet.
Between Web Server and Central Server	100 Mb Ethernet
Between each school Local Server and the Task Manager	T1 (1.536 Mb) connection
For Home Access workstation	Minimum 56K connection

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Local Server Network Capacities

Table 3-2 describes the network capacities for Mac, Windows 2000/XP, and Windows Vista workstations running in a Windows 2000/2003 or Netware server environment.

If you need further information about the Local Server Network Capacities, contact Pearson at 1-888-977-7100.

Table 3-2. Windows 2000/2003 and Netware Server Network Capacities for Mac and Windows 2000/XP/Vista Workstations

Ethernet Topology	Maximum Number of Workstations Supported
100BASE-T	240
1000BASE-T	300

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